

07-11-05

IRJ

PATENT



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of

Walton et al.

Serial No. 10/693,419

Filed: October 23, 2003

)  
) For: MIMO WLAN SYSTEMS  
)  
)  
)  
)  
) Group No. Unassigned

## INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Applicants submit herewith, in accordance with 37 CFR § 1.98, the patents, publications and other information listed on the enclosed Form PTO-1449.

## CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.8(a))

I hereby certify that this correspondence is, on the date shown below, being:

## MAILING

- ☒ deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date: July 7, 2005

## FACSIMILE

- ☐ transmitted by facsimile to the Patent and Trademark Office.

Depositor's Name: Kate Lane

(type or print name)

Signature: Kate Lane

The references submitted herewith are those of which Applicants are aware, which they believe may be material to the examination of this application and, with respect to which there may be a duty to disclose in accordance with 37 CFR § 1.56. While the references identified may be material to the examination of this application pursuant to 37 CFR § 1.56, the citation of these references is not intended to constitute an admission that any reference referred to herein is prior art to the invention of this application, unless specifically designated as such. Additionally, the filing of this Information Disclosure Statement shall not be construed to mean that any search has been made or, that if made, such search was complete or exhaustive, or that no other material information as defined in 37 CFR § 1.56 exists.

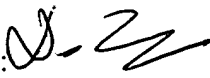
In accordance with 37 CFR § 1.97(b)(3), this Information Disclosure Statement is being submitted before mailing of the first Office Action on the merits. Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and a copy of which is enclosed herewith.

A list of the references is set forth on Form PTO-1449, which is enclosed herewith, along with a copy of each cited foreign reference (copies of U.S. references are not enclosed). Applicants respectfully request that the Examiner return to Applicants a copy of the Form PTO-1449 indicating consideration of the references cited thereon.

Applicants do not believe that any fees are due. If, however, it is determined that fees are owed, Applicants hereby authorize that such fees be charged to Deposit Account No. 17-0026.

Respectfully submitted,

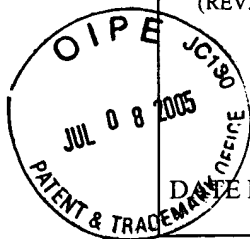
Dated: July 7, 2005

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FORM PTO-1449 (REV. 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 020554	SERIAL NO. 10/693,419
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		APPLICANT Walton et al.	
		FILING DATE October 23, 2003	GROUP Unassigned
DATE MAILED: July 7, 2005			



## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A1 6 3 5 1 4 9 9	02-26-02	PAULRAJ et al.			
	A2 6 3 6 3 2 6 7	03-26-02	LINDSKOG et al.			
	A3 5 9 8 2 3 2 7	11-09-01	VOOK et al.			
	A4 5 5 0 9 0 0 3	11-09-95	SNIJDERS et al.			
	A5 4 7 5 0 1 9 8	06-07-88	HARPER			

## U.S. PATENT APPLICATION PUBLICATION DOCUMENTS

*EXAMINER INITIAL	PUBLICATION NUMBER	PUB. DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	B1 2 0 0 2 / 1 5 4 7 0 5	10-24-02	AHMAD et al.			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	Ref No	DOCUMENT NUMBER	DATE	COUNTRY	NAME	CLASS	SUB CLASS
	C1	0 2 0 7 8 2 1 1	10-03-02	PCT	LING et al.		
	C2	1 2 0 7 6 3 5	05-22-02	Europe	GOPALAKRISHNAN et al.		
	C3	0 2 2 5 8 5 3	03-28-02	PCT	GESBERT et al.		
	C4	1 1 7 0 8 7 9	01-09-02	Europe	MIYOSHI		
	C5	0 1 7 6 1 1 0	10-11-01	PCT	WALLACE et al.		
	C6	0 7 5 5 0 9 0	01-22-97	Europe	SMITH		
	C7	2 3 0 0 3 3 7	10-30-96	UK	RAITH		
	C8	9 5 3 0 3 1 6	11-09-95	PCT	SCHWENDEMAN et al.		

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Page, Etc.)

D1	"Broadband Radio Access Networks (BRAN); HIPERLAN Type 2; Data Link Control (DLC) Layer; Part 1: Basic Data Transport Functions," ETSI Standards, European Telecommunications Standards Institute BR(V131): 1-88 (Dec. 2001)
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EXAMINER	DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	